

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the applications:

Listing of Claims:

1. (original) A purified and isolated CON167 seven transmembrane receptor polypeptide comprising the amino acid sequence set forth in SEQ ID NO: 2, or a fragment thereof comprising an epitope specific to said seven transmembrane receptor.
2. (original) A purified and isolated polypeptide according to claim 1 comprising the amino acid sequence set forth in SEQ ID NO: 2.
3. (original) A purified and isolated polypeptide according to claim 1 comprising at least one extracellular domain of CON167.
4. (original) A purified and isolated polypeptide according to claim 3 comprising the N-terminal extracellular domain of CON167.
5. (currently amended) A purified and isolated polypeptide comprising a ~~CON167 seven transmembrane receptor~~ fragment of the amino acid sequence of SEQ ID NO: 2 selected from the group consisting of the N-terminal extracellular domain of ~~CON167~~ the amino acid sequence of SEQ ID NO: 2, transmembrane domains of ~~CON167~~ the amino acid sequence of SEQ ID NO: 2, extracellular loops connecting transmembrane domains of ~~CON167~~ the amino acid sequence of SEQ ID NO: 2, intracellular loops connecting transmembrane domains of ~~CON167~~ the amino acid sequence of SEQ ID NO: 2, the C-terminal cytoplasmic domain of ~~CON167~~ the amino acid sequence of SEQ ID NO: 2, and fusions thereof.

Claims 6-28 (canceled)

29. (original) A composition comprising a polypeptide according to claim 1 in a pharmaceutically acceptable carrier.

30. (withdrawn) A composition comprising a polypeptide according to claim 27 in a pharmaceutically acceptable carrier.

31. (withdrawn) A method for modulating activity of a CON167 seven transmembrane receptor according to claim 2 comprising the step of contacting said seven transmembrane receptor with an antibody specific for said seven transmembrane receptor, under conditions wherein the antibody binds the receptor.

32. (withdrawn) A method for modulating activity of a CON167 seven transmembrane receptor comprising the step of contacting said seven transmembrane receptor with a polypeptide according to claim 27.

33. (withdrawn) A method for treating a neurological disorder comprising the step of administering to a mammal in need of such treatment an amount of a polypeptide according to claim 27 sufficient to modulate ligand binding of CON167 seven transmembrane receptor in neurons of said mammal.

34. (withdrawn) A method according to claim 31 wherein said contacting step comprises administering a composition to a mammal, said mammal comprising cells that express the CON167 seven transmembrane receptor, said composition comprising said antibody.

35. (withdrawn) A method according to claim 34, wherein the mammal is a human.

36. (withdrawn) A method according to claim 35, wherein the human suffers from a neurological disorder.

37. (withdrawn) A method according to claim 32 wherein said contacting step comprises administering a composition to a mammal, said mammal comprising cells that express the CON167 seven transmembrane receptor, said composition comprising said polypeptide.

38. (withdrawn) A method according to claim 37, wherein the mammal is a human.

39. (withdrawn) A method according to claim 38, wherein the human suffers from a neurological disorder.

40. (withdrawn) An assay to identify compounds that bind CON167 seven transmembrane receptor, comprising the steps of:

(a) contacting a composition comprising CON167 seven transmembrane receptor with a compound suspected of binding CON167;

(b) measuring binding between the compound and CON167.

41. (withdrawn) An assay according to claim 40 wherein the composition comprises a cell expressing CON167 on its surface.

42. (withdrawn) An assay according to claim 41 wherein the measuring step comprises measuring intracellular signaling of CON167 induced by the compound.

43. (withdrawn) An assay according to claim 40 wherein the CON167 seven transmembrane receptor comprises the amino acid sequence of SEQ ID NO: 2.

44. (withdrawn) A compound identified by the method according to claim 40 that binds CON167 seven transmembrane receptor, wherein the compound is not an antibody or a polypeptide comprising an antigen-binding fragment or an antibody that binds CON167.

45. (withdrawn) A method for modulating activity of a CON167 seven transmembrane receptor comprising the step of contacting said seven transmembrane receptor with a compound according to claim 44, under conditions wherein said compound binds to the receptor.

46. (withdrawn) A method according to claim 45 wherein said contacting step comprises administering a composition to a mammal, said mammal comprising cells that express the CON167 seven transmembrane receptor, said composition comprising said compound.

47. (withdrawn) A method according to claim 46, wherein the mammal is a human.

48. (withdrawn) A method according to claim 47, wherein the human suffers from a neurological disorder.

49. (withdrawn) A method for identifying a modulator of binding between a CON167 seven transmembrane receptor and a CON167 binding partner, comprising the steps of:

(a) contacting a CON167 binding partner and a composition comprising a CON167 seven transmembrane receptor in the presence and in the absence of a putative modulator compound;

(b) detecting binding between the binding partner and the CON167; and

(c) identifying a putative modulator compound in view of decreased or increased binding between the binding partner and the CON167 in the presence of the putative modulator, as compared to binding in the absence of the putative modulator.

50. (withdrawn) A modulator identified by the method according to claim 49 that decreases or increases binding between the binding partner and the CON167 seven transmembrane receptor.

51. (withdrawn) A method for modulating activity of a CON167 seven transmembrane receptor comprising the step of contacting said seven transmembrane receptor with a modulator according to claim 50, under conditions wherein the modulator increases or decreases binding between the binding partner and the receptor.

52. (withdrawn)A method according to claim 51 wherein said contacting step comprises administering a composition to a mammal, said mammal comprising cells that express the CON167 seven transmembrane receptor, said composition comprising said modulator.

53. (withdrawn) A method according to claim 52, wherein the mammal is a human.

54. (withdrawn) A method according to claim 53, wherein the human suffers from a neurological disorder.